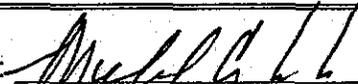
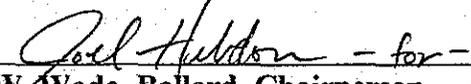


**Meeting Minutes
January 28, 2003
Tri-Party Agreement Milestone Review**

0058967

Approval: 
Michael A. Wilson (B5-18)
Ecology IAMIT Representative

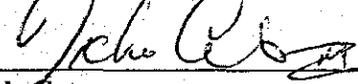
Date: 3/4/03

Approval:  - for -
W. Wade Ballard, Chairperson (A5-12)
RL IAMIT Representative

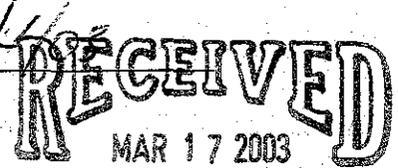
Date: 3/4/03

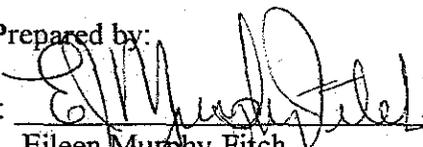
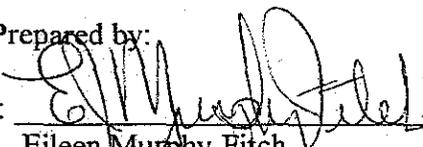
Approval: 
Jim E. Rasmussen (H6-60)
ORP IAMIT Representative

Date: 3/4/03

Approval: 
Nick Ceto (B5-01)
EPA IAMIT Representative

Date: 3/4/03



Minutes Prepared by: 
 Approval: 
Eileen Murphy-Fitch (A1-14)
Fluor Hanford, Inc.

Date: 3/4/03

EDMC

Aromi, E. S.	CHG	H6-63	Morrison, R. D.	FH	A1-14*
Bartus, D.	EPA	B5018	Murphy-Fitch, E. J.	FH	A1-14*
Bazzell, K. D.	RL	A3-04	Niles, K. S.	ODOE	
Berg, G. M.	FH	L3-02	Piippo, R. E.	FH	A1-14
Bilson, H. E.	RL	A3-04	Price, J.	Ecology	B5-18*
Bond, R.	Ecology	B5-18	Robertson, O.	RL	A3-04
Borghese, J. V.	FH	E3-65	Rodriguez, H. M.	RL/ORP	A5-15
Buxbaum, M.	FH	B3-53*	Romine, L. D.	RL	A6-33
Clark, C. E.	RL	A5-15	Russell, W.	ORP	H6-60
Cusack, L.	Ecology	B5-18*	Ruud, L.	Ecology	B5-18
Dagan, E. B.	RL	A5-15	Sanders, G. H.	RL	A6-38
Foley, B. L.	RL	A6-38	Schepens, R. J.	RL	H6-60
Ford, Bruce H.	FH	E6-35	Skinnarland, E. R.	Ecology	B5-18
Gay, R.	CTUIR		Sobczyk, S.	NezPerce	
Goodenough, J.	DOE	A3-04	Stanley, R.	Ecology	Lacey*
Hedges, J.	Ecology	B5-18	VanLeuven, D. B.	FH	H5-20
Henry, G.	ODOE		Wilde, R.	FH	E6-35
Hertzell, J. S.	FH	A1-14	Williams, J. D.	FH	L5-66
Jamison, F.	Ecology	B5-18	Winterhalder, J. A.	FH	E6-35
Jim, R.	Yakama*		Wilson, M. A.	Ecology	B5-18
Kinsey, L. M.	FH	L0-32	Wright, A. K.	RL	A6-33
LaRue, D. N.	BHI	H0-11	Yerxa, J. K.	RL	A5-15
Mattlin, E. M.	RL	A5-15*	Administrative Record	EDMC	H6-08*
McKeeney, D. E.	FG	H8-44			

*w/Attachments File: TPAM_01_03.doc

Tri-Party Agreement Milestone Review
January 28, 2003

Spent Nuclear Fuel, M-034-00

Presented by: Mark French

Start: 9:07 a.m.

End: 9:29 a.m.

Significant progress and schedule recovery were reported by the Spent Nuclear Fuel (SNF) Project. Tri-Party Agreement Interim Milestones completed since October 2002:

M-034-29, *Complete KE Basin and KW Basin Facility Modifications for Alternate Fuel Transfer System (AFTS) Cask Transportation System* (due 03/31/2002; completed 9/12/2002)

M-034-17, *Initiate KE to KW Fuel Transfer* (due 11/30/2002; completed 11/25/2002)

M-034-18A, *Complete Removal of 957 Metric Tons of Heavy Metal (MTHM) of SNF from the KW Basin* (due 12/31/2002; completed 1/07/2003)

Tri-Party Agreement target date M-034-12-T01, *Complete Construction of Sludge Waste System (SWS) per Section IIA of Construction Completion Document (i.e., completion of operational testing)* is behind schedule. Operational testing was initiated.

Tri-Party Agreement Interim Milestone M-034-08, *Initiate Full Scale KE Basin Sludge Removal*, is behind schedule. EPA rejected Tri-Party Agreement Change Request M-34-02-05 seeking an extension of the completion date from December 31, 2002 to April 30, 2003. Although RL initiated dispute on the rejected change request, RL will not submit a statement of dispute. The April 30, 2003, date is still the correct forecast completion date for this workscope.

RL and FH are looking into the feasibility of accelerating some outyear milestones. Impacts of acceleration on other associated activities will be evaluated to ensure that Project completion is consistent with the Tri-Party Agreement. RL and EPA will meet to discuss the proposed milestones. Presentation attached.

PFP Transition (M-083)

Presented by: Allison Wright, RL

Start: 9:30 a.m.

End: 9:45 a.m.

PFP interim milestones and target dates through 2006 are on schedule. Significant accomplishments include:

- ✓ Development of a baseline change request for PFP accelerated project completion (from 2016 to 2009)
- ✓ RL and Contractor review of the initial Draft End Point Criteria Document
- ✓ Submitted Residual Chemical Hazards Analysis to Ecology (M-083-21)

- ✓ Completed a Defense Nuclear Facilities Safety Board milestone for alloys stabilization and repackaging
- ✓ Progress on legacy plutonium holdup removal, yard area transition, and residues and repackaging.

Work is underway to revise the 241-Z Notice of Construction to incorporate Department of Health comments and anticipate EPA review of the proposed Alternative Monitoring Plan will be needed.

Central Plateau (M-013, M-015, M-016, M-020, and M-024)

Presented by: John Winterhalder

Start: 9:52 a.m.

End: 10:08 a.m.

Ecology requested the following be inserted into the meeting minutes:

Ecology did receive an advance draft copy of the M-020 and M-026-01 presentations. The Central Plateau presentation was provided to Ecology one day ahead of the meeting thus eliminating the opportunity for a joint presentation.

Ecology does not concur that Tri-Party Agreement Milestones M-015-41B and M-013-00M were met.

- ✓ *Tri-Party Agreement Milestone M-015-41B, submit 200-ST-1 OU and 200-TW-2 OURI Report to EPA and Ecology and Includes the Past Practice Waste Sites in the 200-PW-5 Fission Product-Rich Process Waste Group (due October 30, 2002/submitted 10/23/2002)*
- ✓ *M-013-00M, Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan for the 200-IS-1, Tanks/Lines/Pits Diversion Boxes OU; Includes Waste Sits in the 200-ST-1, Septic Tank and Drain Fields OU (due December 31, 2002/submitted 12/23/2002).*

Ecology is currently evaluating whether those submittals were incomplete. Ecology refers to a December 18, 2000 letter from John Price, Ecology to Bryan Foley, USDOE. That letter identified a deficiency in ecological characterization for the 200-CW-1 RI Report. The regulator review drafts identified in this Tri-Party Agreement quarterly review were also deficient in ecological characterization.

Ecology, EPA and USDOE have been discussing the submittal of a draft 200 Area Ecological Risk Assessment Report. That report has not been reviewed and approved. Therefore, it cannot be referenced in Tri-Party Agreement document submittals in fulfillment of requirements for ecological risk assessment.

Ecology will submit a letter documenting their concerns to RL.

Cleanup Scenarios for CW-3 and CW-1 were briefly discussed.

Presentation attached.

Land Disposal Restriction Report, M-026-01

Presented by: Tony Miskho, FH

Start: 10:10 a.m.

End: 10:15 a.m.

Progress continues to be made by the LDR Working Group and the LDR Report Project Manager's Meeting. No significant regulatory issues/concerns resulting in follow-on actions were identified during the presentation.

Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3 (M-091)

Presented by: Todd Shrader, RL

Start: 10:15 a.m.

End: 10:30 a.m.

Negotiations continue for M-091 series milestones. Tri-Party Agreement Interim Milestones M-091-01 and M-091-03 are in the dispute resolution process and are being addressed as part of the M-091 negotiations.

Specific milestones discussed:

Negotiations continue for Tri-Party Agreement Milestones M-091-01, *Complete the Acquisition of New Facilities, Modification of Existing Facilities, and/or Modification of Planned Facilities Necessary for Storage, and Treatment/Processing Prior to Disposal of all Hanford Site Post-1970 TRU/TRUM*, and M-91-03, *Submit Hanford Site TRU/TRUM Waste Project Plan (PMP) to Ecology Pursuant to Agreement Section 11.5*.

DOE believes that Tri-Party Agreement Interim Milestone M-091-07, *Complete Project W-113 for Post 1970 CH TRU/TRUM Retrieval*, due September 2004, may not be met due to funding constraints, Site priorities, and the maximum retrieval rate. This milestone has been discussed in the context of the M-091 dispute but it is not formally part of the dispute process and is still enforceable. Ecology has maintained their position that funding constraints and Site priorities are not acceptable causes for modification of Tri-Party Agreement milestones.

Readiness was not declared for Tri-Party Agreement Interim Milestone M-091-20, *T Plant is Ready to Receive the First Canister of Floor and Pit Sludge*, by the December 31, 2002 completion date.

The completion date for Tri-Party Agreement Interim Milestone M-091-12A, *Complete Thermal Treatment and Disposal of at Least 240 cubic meters of contract Handled LLMW*, was extended to December 31, 2004.

Target Date M-091-05-T01, *Complete and Submit TRU/TRUM Retrieval and Processing Facility Engineering Study/Functional Design Criteria to Study*, due December 31, 2002, was missed. It is RL's position that the facility is not required until 2013; therefore, studies are not required until 2006. The 618-10 and 618-11 Burial Grounds should be included. This target date were discussed in the context of the M-091 dispute, but is not formally a part of the dispute.

Presentation attached.

Permitting/Closure Plans, M-020-00

Presented by: Ellen Mattlin, RL

Start: 10:30 a.m.

End: 10:37 a.m.

No significant issues/concerns resulting in follow-on activities were identified during the presentation.
Presentation attached.

AGENDA

Hanford Federal Facility Agreement and Consent Order Milestone Review

Central Plateau and Spent Nuclear Fuel

Meeting Schedule:

Tuesday, January 28, 2003

EPA Conference Room, 712 Swift Blvd., Richland

9:00 a.m. - 10:30 a.m.

Milestone areas to be covered:

9:00 am	M-34-00	Spent Nuclear Fuel
9:30 am	M-83-00	PFP Transition
9:45 am	M-13-00	Complete RI/FS Submittals
	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	RCRA Well Installation
10:10 am	M-26-01	Land Disposal Restrictions Report
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3
	M-92-01	Facilities for Cesium/Strontium
10:25 am	M-20-00	Permitting/Closure Plans
10:30 am	Adjourn	

ATTENDEES

**Central Plateau/Spent Nuclear Fuel
Tri-Party Agreement Milestone Review
January 28, 2003**

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
ROB CIRRO	FH/TOA	A1-14	PLEASE
Ellen Mattlin	DOE-RL-RCA	A5-15	X
Mark French	DOE-RL/SFO	A4-79	
Joel Heddon	DOE-RL/RCA	A5-55	X
MIKE WILSON	ECOLOGY		✓
Ron Skinnery	ECOLOGY		
Dunt Fisher	EPA		
Larry Gadois	EPA	B5-01	
Ellen Dagan	DOE-RL RCA	A5-15	
Tom Miskho	FH-Env.	N1-26	
Larry Earley	DOE-RL SFO	A4-79	
Carole Rodriguez	SFO	A4-79	
David Watson	FH SUF	K3-79	
JANE HEDGES	Ecology		
DEANNA HENRY	OREGON OFFICE OF ENERGY		
E. J. Murphy	FH/TRAJ	A1-14	
Andrew Hopkins	FH/PFP		✓
Rick Bohd	Ecology		
Larry Romine	DOE-RL-PTA	A6-33	
John Price	Ecology		✓
Todd Skader	RL-WMD	A6-38	
FRED ANDERSON	ECOLOGY	B5-18	
Suzette Thompson	FH-ENV.	N1-25	

Hanford Spent Nuclear Fuel Project

Tri-Party Agreement M-34 Milestone Review



Mark French
U.S. Department of Energy,
Richland Operations Office

January 28, 2003

TPA Milestone Status

Milestones Due Fiscal Year 2003

Number	Milestone Title	Due Date	Status/Comments
M-34-29	Complete K East (KE) Basin and K West (KW) Basin Facility Modifications for Alternate Fuel Transfer System (AFTS) Cask Transportation System	3/31/2002	Complete 9/12/02.
M-34-12-T01	Complete construction of Sludge Water System (SWS) per section IIA of Construction Completion Document (i.e., completion of operational testing)	9/30/2002	Behind Schedule. Section 1A of Construction Completion Document complete (i.e., completion of Construction Acceptance Testing). Operational testing has begun.
M-34-17	Initiate KE to KW fuel transfer	11/30/2002	Complete 11/25/02.
M-34-18A	Complete removal of 957 Metric Tons of Heavy Metal (MTHM) of Spent Nuclear Fuel (SNF) from the KW Basin	12/31/2002	Complete 1/7/03. TPA change M-34-02-04 submitted to extend date to 1/31/03. In dispute resolution.
M-34-08	Initiate full scale KE Basin sludge removal	12/31/2002	Behind Schedule. TPA change M-34-02-05 submitted to extend date to 4/30/03. In dispute resolution.



Hanford Spent Nuclear Fuel Project

TPA Milestone Status
Milestones Due Fiscal Year 2004-2007

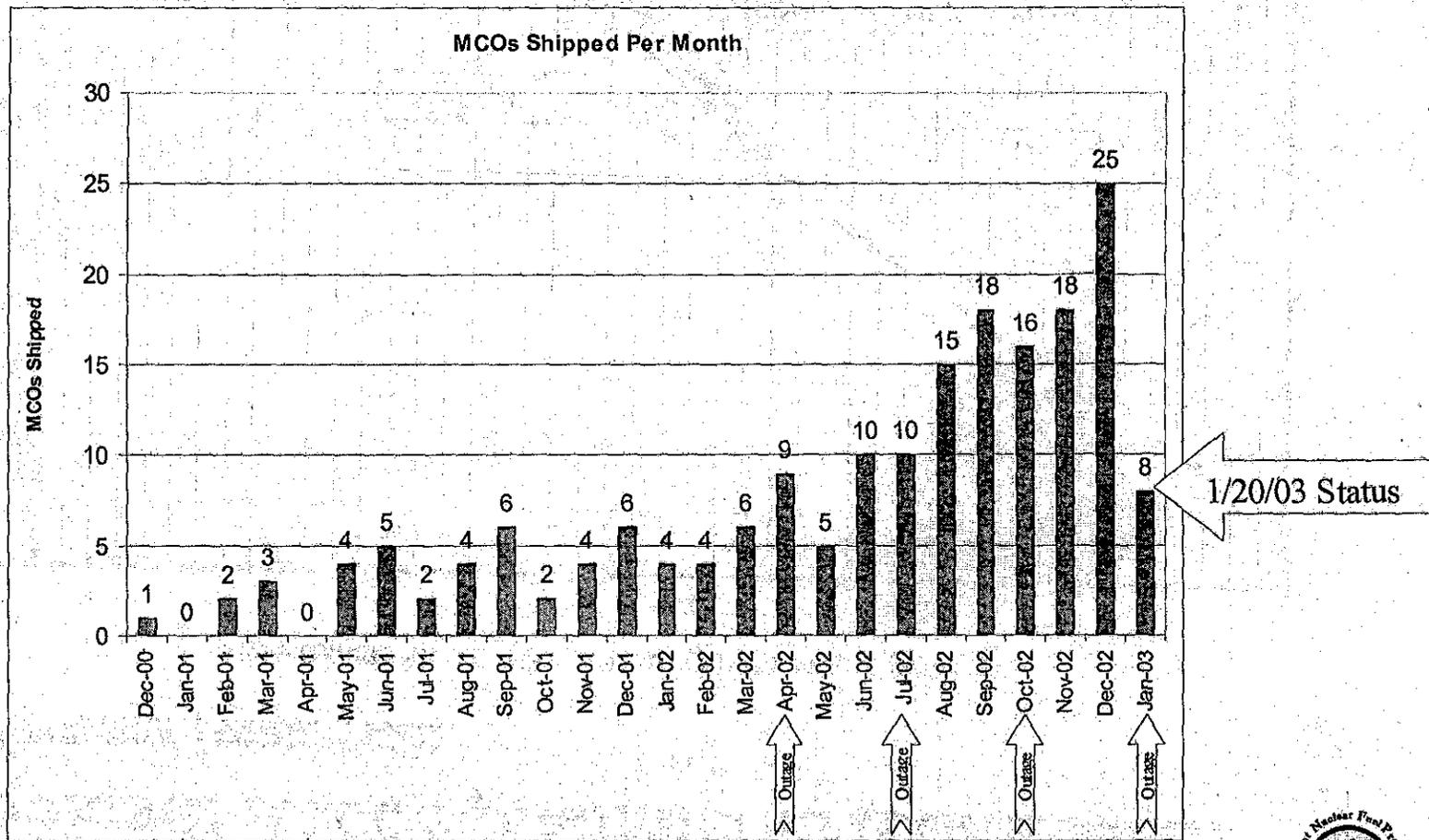
Number	Milestone Title	Due Date	Status/Comments
M-34-27-T01	Complete removal of 1252 MTHM of SNF from KW Basin	5/31/2003	On Schedule
M-34-28	Complete removal of 1619 MTHM from the KW Basin	12/31/2003	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/03.
M-34-25-T01	Complete transfer of KE Basin SNF to KW Basin	5/31/2004	On Schedule
M-34-18B	Complete removal of all K Basin SNF	7/31/2004	On Schedule
M-34-10	Complete sludge removal from K Basins	8/31/2004	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/03.
M-34-23	Start KE water removal	9/30/2004	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/03.
M-34-09-T01	Complete K Basins rack & canister removal	1/31/2005	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/03.
M-34-24	Complete KE Basin water removal	9/30/2005	On Schedule
M-34-21-T01	Initiate full-scale KW Basin water removal	10/31/2005	On Schedule
M-34-22	Complete KW Basin water removal	8/31/2006	On Schedule
M-34-00A	Complete removal of K Basin fuel/sludge/debris/water	7/31/2007	On Schedule



Significant Accomplishments

Fuel Movement:

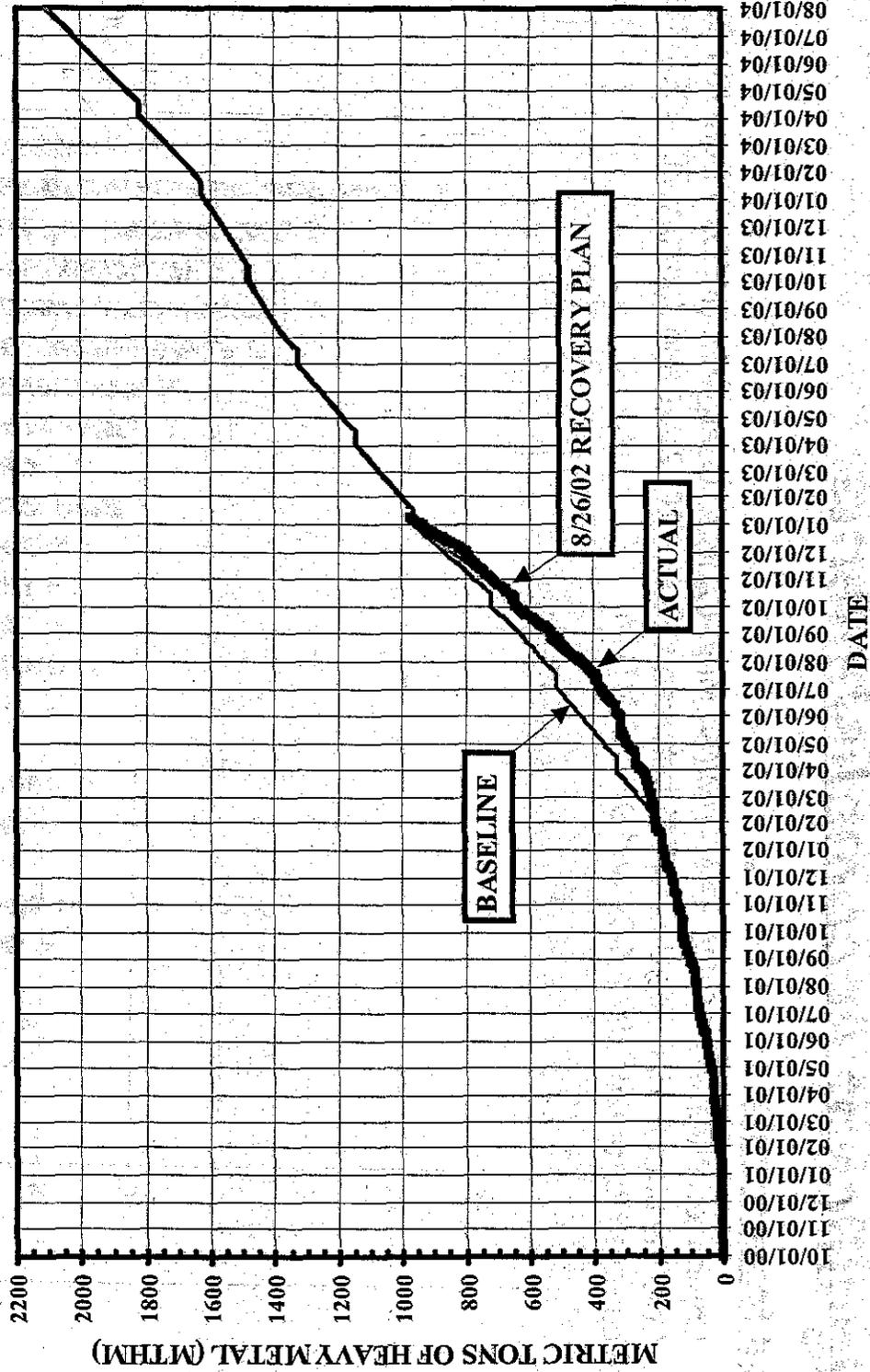
- Completed shipment of 325.33 MTHM (64 Multi-Canister Overpacks (MCOs)) from KW Basin to Cold Vacuum Drying Facility (CVDF) between October 10, 2002 and January 20, 2003, for a cumulative total of 187 MCOs and 972.37 MTHM.



Significant Accomplishments (continued)

Fuel Movement (continued):

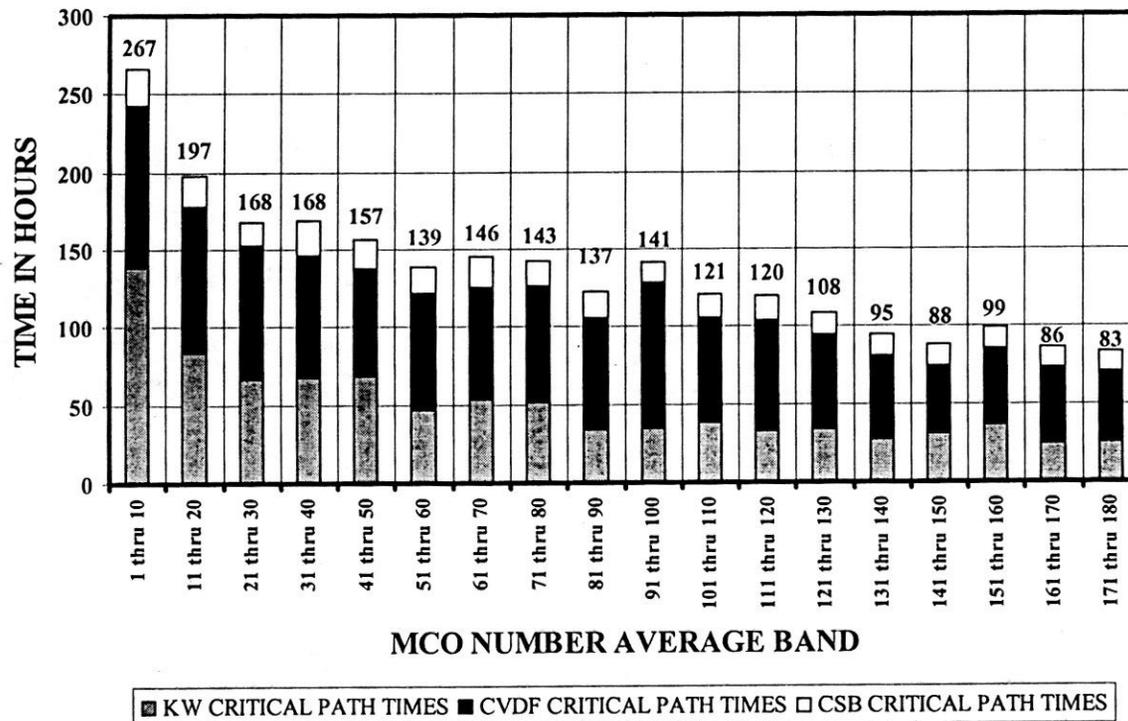
SNFP BASELINE, ACTUAL, AND RECOVERY PLAN (8/26/02)



Significant Accomplishments (continued)

Fuel Movement (continued):

MCO CRITICAL PATH CYCLE TIMES BY FACILITY



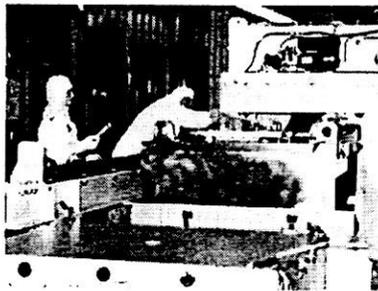
USING KW FUEL PRODUCTION INTERVAL				
MCOs	KW	CVDF	CSB	TOTAL
1 thru 10	138.32	104.93	23.39	266.64
11 thru 20	83.42	94.45	19.52	197.40
21 thru 30	66.14	86.31	15.41	167.86
31 thru 40	67.40	78.58	22.49	168.48
41 thru 50	68.52	69.06	19.02	156.60
51 thru 60	47.14	74.38	17.35	138.87
61 thru 70	53.46	72.30	19.99	145.75
71 thru 80	51.98	74.42	16.30	142.69
81 thru 90	34.22	71.68	17.30	136.96
91 thru 100	34.32	93.79	13.34	141.44
101 thru 110	38.13	67.38	15.25	120.75
111 thru 120	32.74	71.62	15.42	119.77
121 thru 130	33.61	61.01	13.74	108.36
131 thru 140	27.45	53.01	14.31	94.77
141 thru 150	30.56	43.12	14.67	88.36
151 thru 160	36.71	48.52	13.83	99.06
161 thru 170	24.74	48.65	12.54	85.93
171 thru 180	24.87	45.39	12.98	83.24



Significant Accomplishments (continued)

Fuel Transfer System (FTS):

- Initiated K East to K West Basin fuel transfer on November 25, 2002; five days earlier than the due date.
- Completed shipment of 43 (430 canisters) of the scheduled 43 canister shipments through January 20, 2003.
- Efforts are currently underway to train and qualify additional staff to support two-shift FTS Operations.

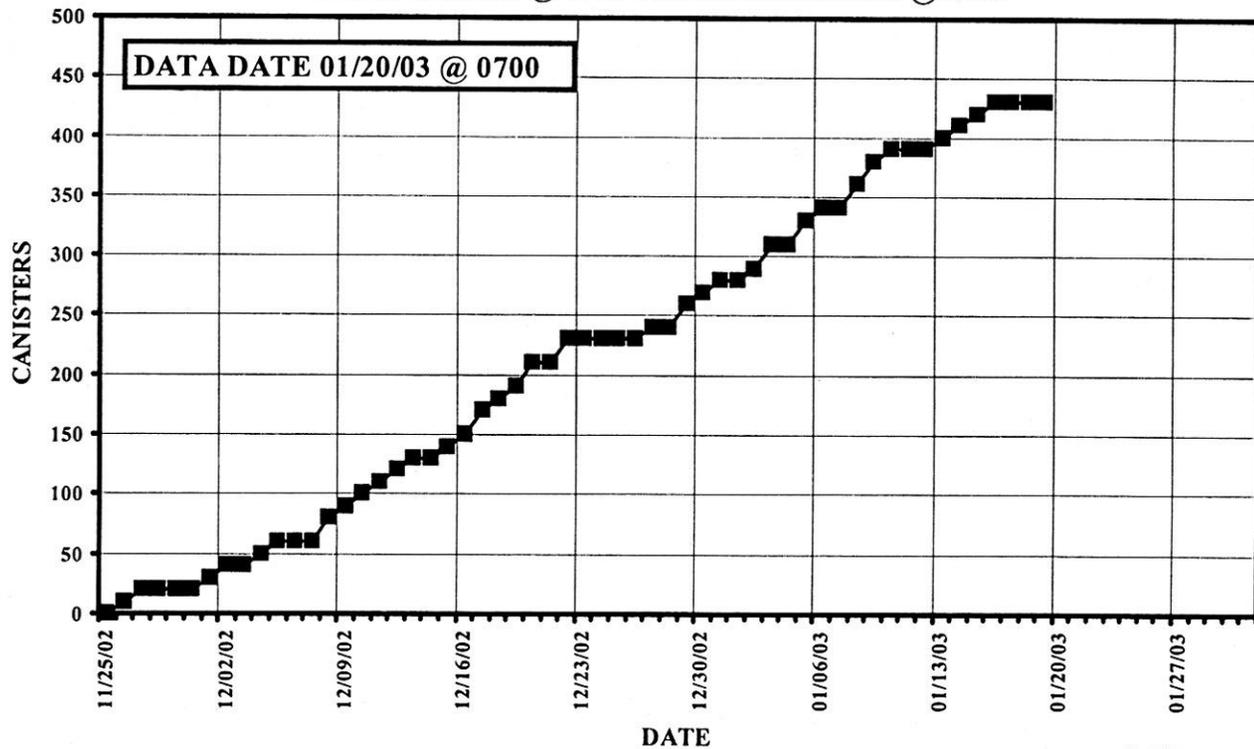


First transport in K East Annex.



First transport leaves K East.

FTS CANISTERS SHIPPED
FROM 11/25/02 @ 0700 THROUGH 01/20/03 @ 0700



Significant Accomplishments (continued)

Sludge Water System (SWS):

- Completed equipment installation and construction acceptance testing.
- Acceptance testing is underway (80 percent complete).
- Received delivery of two Sludge Transportation Systems (STS) consisting of two trailers, lifting devices, two casks, six large diameter containers (LDCs) for sludge storage.
- Prepared transportation safety documentation (in contractor approval cycle).
- Updated and obtained RL approval for the K East Basin Nuclear Safety documentation for SWS operations.

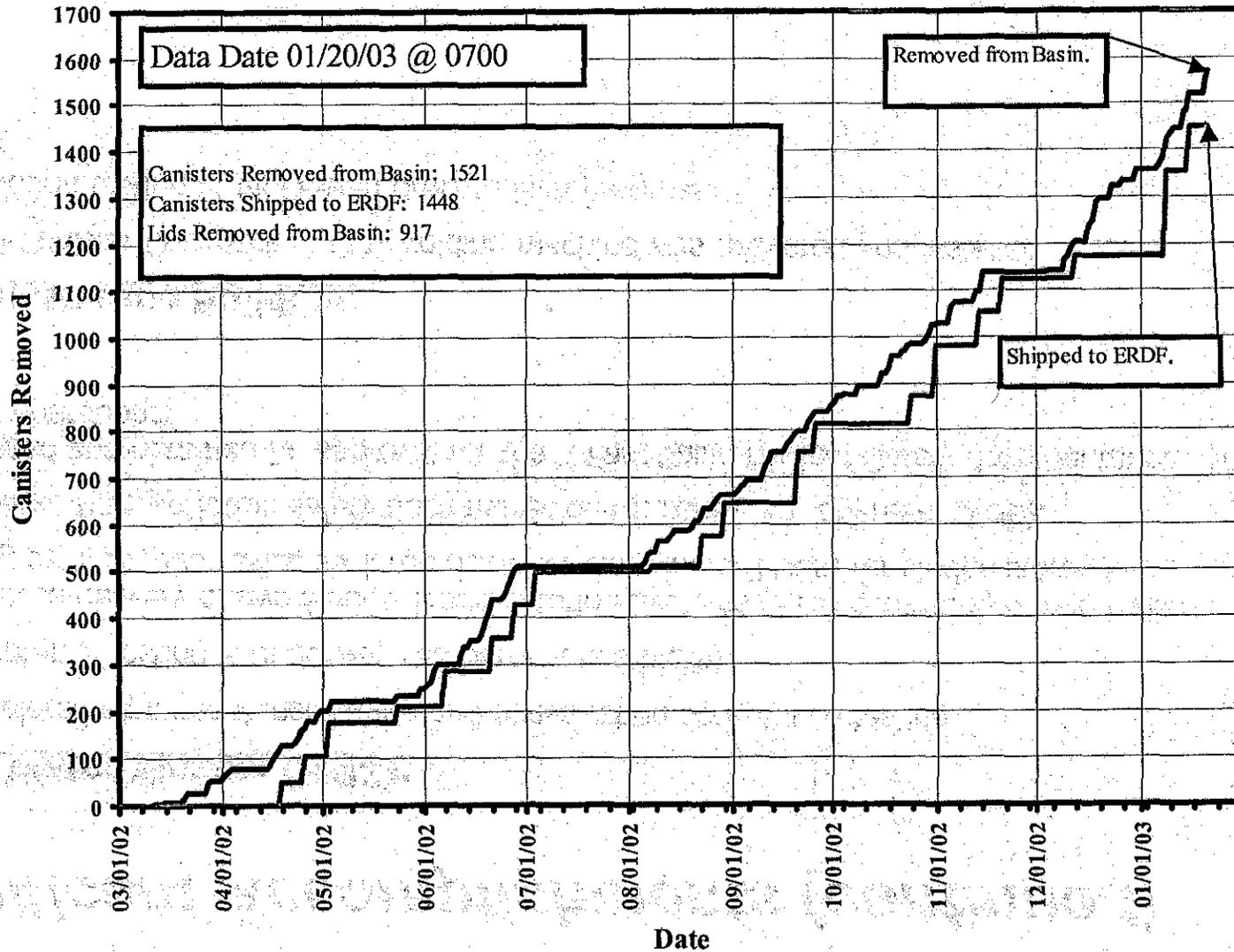
Canister Storage Building:

- Multi-Canister Overpack (MCO) welding machine was delivered and installed.
- Validation testing of MCO weld process is in progress.



Significant Accomplishments (continued)

Canister Removal:



Significant Accomplishments (continued)

Site-Wide SNF Activities:

- Received final shipment of light water reactor (LWR) casks (six of six shipments received).
- Received three shipment of Neutron Radiography Facility (NRF) Training Research and Isotope Production, General Atomics (TRIGA) casks (six casks total, and two Department of Transportation 6M containers, all received in three shipments).
- Received three Shippingport Reactor Spent Fuel shipments from T-Plant (seven of a total of 18 shipments received).
- Continued readiness preparations to receive eleven Interim Storage Casks from the Fast Flux Test Facility (FFTF). The first shipment is expected by July, 2003. Provided input to T-3 Cask license modification to enable shipment of intact sodium bonded fuel assemblies to Idaho National Engineering and Environmental Laboratory.
- Continued evaluation of storage of spent fuel from FFTF and Plutonium Finishing Plant at the Canister Storage Building.



Upcoming Activities

- Transition Projects – Obtain floor dose data in January 2003.
- SWS – Acceptance for beneficial use in February 2003.
- SWS – Complete construction of SWS (Construction Completion Document Section IIA, Operational Testing) by February 28, 2003. (Milestone M-34-12-T01)
- SWS – Start Contractor Operational Readiness Review (ORR) in early March 2003.
- Multi-Canister Overpack (MCO) Welding – Begin welding of MCOs at Canister Storage Building in February 2003.
- Fuel Retrieval System (FRS) – Complete construction activities for KW Basin SNF scrap removal system in February 2003.
- SWS – Start DOE ORR in March 2003.
- SWS – Initiate full scale KE basin sludge removal by April 30, 2003. (Milestone M-34-08)
- Transition Projects – Complete K East Basin deactivation alternatives report by April 30, 2003.
- Fuel Movement – Complete removal of 1,252 metric tons of heavy metal SNF from KW Basin by May 31, 2003. (Target Milestone M-34-27-T01)
- Site-Wide Activities – Receive first shipment of eleven Interim Storage Casks from the Fast Flux Test Facility (FFTF) in July 2003.



SNF Project Issues/Concerns

Issue: Initiation of sludge removal from the K East Basin TPA change M-34-02-05 in dispute resolution.

Issue: Timeline for EPA review and approval of the Application for Risk-Based Disposal Approval for Polychlorinated Biphenyls at 200 Area Liquid Waste Processing Facilities uncertain. Could impact cost and schedule for basin dewatering.

Issue: Recent contract changes that accelerate cleanup of the K Basins will likely require changes to five TPA milestones and target dates. Proposed changes will be identified by June 30, 2003.



Permitting and Regulatory Issues

See issues and concerns

Non-TPA Regulatory Issues with Potential to Impact SNF Project TPA Milestones

None at this time



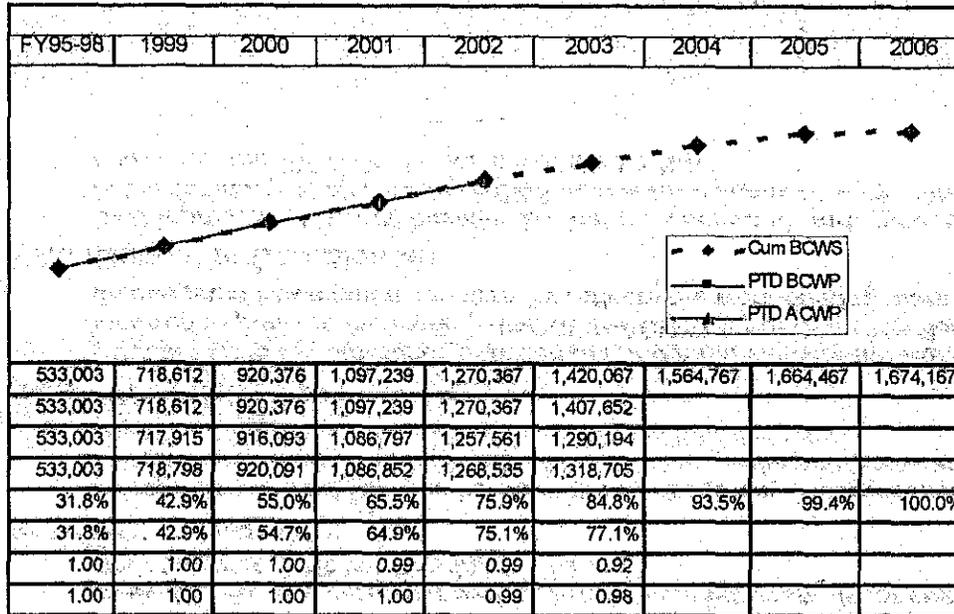
Performance Measurement Terminology

- **BCWS (Budgeted Cost of Work Scheduled)**
 - *BCWS represents the baseline budget for a scope of work over time. BCWS is normally combined with a term such as "Current Period" or "Fiscal Year to Date (FYTD)" to identify the time period the BCWS is associated with. BCWS is created by spreading the baseline cost estimate for a scope of work across its schedule activity duration based on the expected monthly level of activity. BCWS is the basis for the funding requested to perform a scope of work and is maintained through a documented change control process*
- **BCWP (Budgeted Cost of Work Performed)**
 - *BCWP represents the value of the work actually accomplished during a period based upon its budgeted value or BCWS. BCWP is a measure of the value of work based upon the physical work reported complete per the baseline schedule status update*
- **ACWP (Actual Cost of Work Performed)**
 - *ACWP represents the actual costs incurred to perform the work that was completed during a period and recorded as BCWP. For any particular period, ACWP includes accruals for costs not invoiced or booked associated with work that was performed during the period*
- **SCHEDULE VARIANCE (SV)**
 - *SV represents the difference between the work actually accomplished and the work planned or scheduled during any particular time period. (SV= BCWP-BCWS) A positive SV reflects an ahead of schedule situation while a negative SV reflects that work is behind the scheduled plan*
- **COST VARIANCE (CV)**
 - *CV represents the difference between the budgeted value of the work actually accomplished and the actual costs incurred to perform the work. (CV=BCWP-ACWP) A positive CV reflects the work being accomplished for less than its budgeted value and a negative CV reflects the work costing more to complete than planned*
- **BAC (Budget at Completion)**
 - *BAC represents the total baseline budget for a scope of work associated with either a fiscal year or life cycle. BAC is the summary of all monthly BCWS values for a scope of work within the fiscal year or life cycle. On a fiscal year end report the FYTD BCWS will equal the FY BAC*



Hanford Spent Nuclear Fuel Project

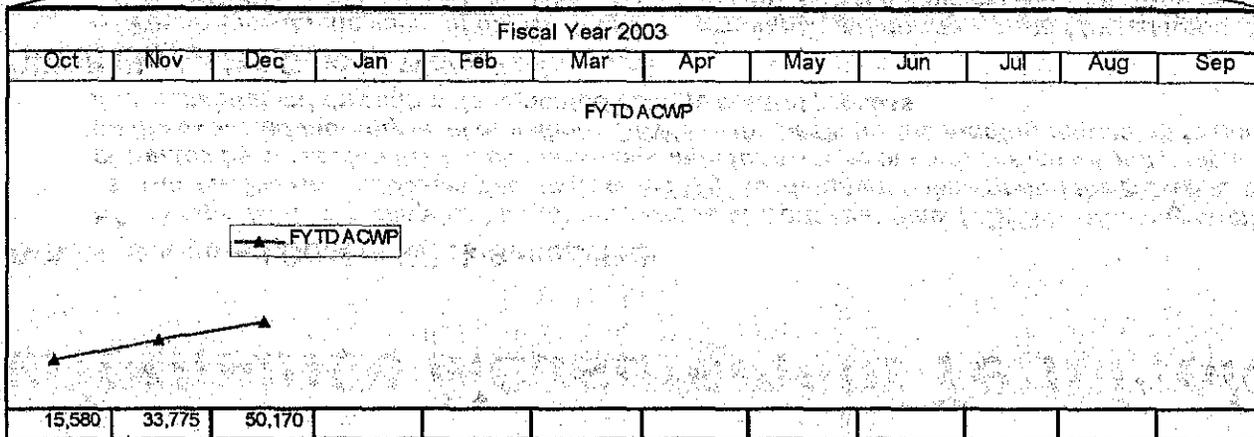
SNF Project - Total Project Baseline



Life Cycle	
*BAC=	1,674,167
EAC=	1,674,167
BCWS=	1,407,652
BCWP=	1,290,194
ACWP=	1,318,705
SV=	(117,458)
CV=	(28,512)

*Current BAC reflects a 10-month acceleration to the TPA completion date.

Cum BCWS	533,003	718,612	920,376	1,097,239	1,270,367	1,420,067	1,564,767	1,664,467	1,674,167
PTD BCWS	533,003	718,612	920,376	1,097,239	1,270,367	1,407,652			
PTD BCWP	533,003	717,915	916,093	1,086,787	1,257,561	1,290,194			
PTD ACWP	533,003	718,798	920,091	1,086,852	1,268,535	1,318,705			
% Sch	31.8%	42.9%	55.0%	65.5%	75.9%	84.8%	93.5%	99.4%	100.0%
% Cmpl	31.8%	42.9%	54.7%	64.9%	75.1%	77.1%			
SP	1.00	1.00	1.00	0.99	0.99	0.92			
CPI	1.00	1.00	1.00	1.00	0.99	0.98			



* The Project is being rebaselined consistent with new performance agreements.



Spent Nuclear Fuel Project Project Performance thru First Quarter FY 03 (based on early start schedule)

(\$ in thousands)

Schedule / Cost Performance Fiscal Year-to-Date Status (\$000s)

		FYTD
		ACWP
	By PBS	
PBS RS03 WBS 3.2.3.1	SNF Project, 100 K Basins	\$ 37,457
PBS RS03 WBS 3.2.3.2	Canister Storage Building (to 2004)	\$ 3,223
PBS RS03 WBS 3.2.3.3	200 Intrim Storage Area (to 2004)	\$ 448
PBS RS03 WBS 3.2.3.4	SNF Project Management and Support	\$ 9,042
	Total	\$ 50,170

NOTE: The Project is being rebaselined consistent with new performance agreements.



Nuclear Material Stabilization Project

Plutonium Finishing Plant Stabilization Project

**Milestone
TPA-M-83**

**January 28, 2003
Tri-Party Agreement Milestone
Status Report**

**Ecology Project Manager - R. Bond
DOE-RL Program Manager - L. D. Romine
FH Project Manager - G. W. Jackson
FH Environmental Sponsor - A. M. Hopkins**

Plutonium Finishing Plant

M-83 Status for Interim Milestones Through 2006 & Final Milestone (as of 12/31/02)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-21	12/31/02	SUBMIT PFP RESIDUAL CHEMICAL HAZARDS ASSESSMENT	Complete 12/27/02
M-083-30	7/31/03	SUBMIT 241-Z WASTE TSD AND GLOVEBOX HA-20MB CLOSURE PLAN	On Schedule
M-083-20	9/30/03	SUBMIT FACILITY TRANSITION END POINT CRITERIA DOCUMENT	On Schedule
M-083-12-T01	12/31/03	SUBMIT PFP LEGACY PU HOLDUP REMOVAL PLAN TO ECOLOGY	On Schedule
M-083-13	4/30/04	COMPLETE REPACKAGING OF PFP MIXED WASTE RESIDUES & SHIP TO CWC	On Schedule
M-083-31	6/30/05	DISCONTINUE WASTE DISCHARGES FROM THE 241-Z TANKS TO TANK FARMS	On Schedule
M-083-14	9/30/06	COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL	On Schedule
M-083-40	9/30/06	COMPLETE TRANSITION AND DISMANTLEMENT OF 232-Z BLDG INCINERATOR	On Schedule
M-083-00A	9/30/16	COMPLETE PFP FACILITY TRANSITION AND SELECTED DISPOSITION ACTIVITIES	On Schedule

PFP Pu Stabilization Safety Mission Scoreboard

% Stabilized as of

09/02 10/02 11/02 12/02 01/03 02/03 04/03

Solutions
(by Pu Weight)

----- COMPLETE -----

Metals

----- COMPLETE ----- * (Note)

Alloys

40% 40% 60% 100% - COMPLETE -

Oxides

18% 21% 24% 27%

Polycubes

17% 33% 46% 58%

Residues

67% 80% 86% 87%

3013 Packaging

25% 28% 30% 33%

Note: Status of DNFSB Milestones * The outer cans will be either re-canned or radiographed

Nuclear Material Stabilization Project

Major Accomplishments

- ◆ **Baseline Change Request for PFP Accelerated project completion from 2016 to 2009, was developed and submitted to RL**
- ◆ **An initial draft of the project's End Point Criteria Document was provided for FH and RL review**
- ◆ **Chemical holdup removal/mitigation activities**
 - A reassessment of residual chemical hazards remaining at PFP was developed and submitted to Ecology
- ◆ **Legacy Pu Holdup Removal**
 - Field work was initiated on cleanout of glovebox HC-7C and work is 85% complete
 - Work packages were drafted for cleanout of PRF, Miscellaneous Treatment gloveboxes 3-6
- ◆ **Yard Area Transition**
 - Isolation of 234-ZC was completed in preparation for dismantling in January; this will be the seventh structure (fourth numbered building) at PFP to be removed

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Major Accomplishments

- ◆ **Working with SRS and Headquarters to accelerate plans for de-inventory of PFP**
- ◆ **Completed alloys stabilization and repackaging (DNFSB milestone) – November 2002**
- ◆ **Residues**
 - Completed repackaging of Sand, Slag and Crucible (SS&C) (2,121 kg bulk) on December 4, 2002 seven months ahead of schedule. Fourteen items remain to be measured for plutonium content by calorimetry
 - Initiated Waste Isolation Pilot Plant (WIPP) and safeguards qualification of two calorimeters and a Segmented Gamma Scan Assay System (SGSAS) for plutonium measurement of residues
 - Completed startup review and initiated repackaging of oxide residues on December 11, 2002

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Planned Accomplishments

- ◆ **Complete Rebaselining to new Performance Incentives for FY03 – January 31, 2003**
- ◆ **Complete Polycube Stabilization & Repackaging**
- ◆ **Residues**
 - Complete qualification of assay equipment (calorimeters and SGSAS) and complete measurement of SS&C
 - Obtain and qualify additional calorimeters for measurement of residues
 - Complete repackaging of oxide residues in March 2003
 - Initiate repackaging of mixed oxide (MOX) residues in March 2003
- ◆ **Transmit EE/CA for 232-Z to Regulators – March 31, 2003**

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Cost/Schedule Performance

(as of 12/31/02)

- ◆ Still in Continuing Resolution
- ◆ Re-baseline FY2003 to new contract baseline – due January 31, 2003

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Potential Issues/Requests for Assistance

- ◆ **FH revising 241-Z Notice of Construction to incorporate Department of Health's comments. Anticipate needing EPA review of proposed Alternative Monitoring Plan**

Plutonium Finishing Plant

CENTRAL PLATEAU

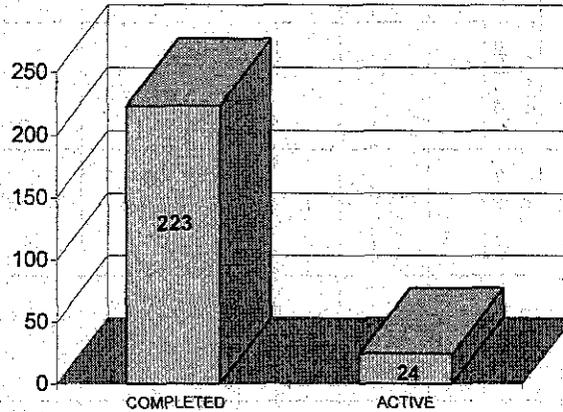
**CENTRAL PLATEAU
FY 2003 TPA MILESTONE SUMMARY
(Major & Interim Milestones)**

Status as of: January 24, 2003

PBS	Milestone	Title	Compliance Date	Forecast/Actual Date	Completed		Forecast		
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule
CP01	M-15-41B	Submit 200-TW-1 & TW-2 OU RI Report, including Past Practice Waste Site in 200-PW-5 Fission Product-Rich Process Waste Group	10/30/02	10/23/02	X				
CP01	M-13-00M	Submit 1 200-NPL RI/FS (RFI/CMS) Work Plan for the 200-IS-1 Tanks/Lines/Pits/Diversion Boxes OU	12/31/02	12/30/02		X			
SS03	M-24-00N	Install RCRA Groundwater Wells at the Rate of 50 per Calendar Year	12/31/02	12/18/02	X				
SS03	M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY	12/31/02	12/18/02	X				
SS03	M-16-28A	Connect Well 199-K-126 to the 100-KR-4 Pump & Treat Extraction System	01/15/03	01/13/03		X			
CP01	M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond & Ditches Waste Site OU, 200-CW-3 North Area Cooling Water Waste Group OU, & 200 North Area Waste Sites FS/PP	03/31/03	03/31/03				X	
CP01	M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water RI Report, Including Past Practice Waste Sites in the 200-CW-2 S Ponds/Ditches Cooling Water Group, the 200-CW-4 T Ponds/Ditches Cooling Water Group, and the 200-SC-1 Steam Condensate Group	05/31/03	05/31/03				X	
CP01	M-15-47	Submit a Proposed Plan to Conduct Remedial Action(s) for Source Control at High Risk Waste Site(s) Which Includes a Engineering Evaluation of an Engineered Barrier	06/30/03	06/30/03				X	
SS03	M-16-27C	Complete 100-HR-3 Phase III ISRM Barrier Emplacement Planning, Well Installation, and Barrier Emplacement	06/30/03	06/30/03				X	
CP01	M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	09/30/03	09/30/03				X	

CENTRAL PLATEAU PROJECT

Central Plateau TPA Milestone Statistics (Major & Interim Milestones)



	Compliance Due Date	Total Active @ 12/2002 *	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
M-13-00 Submit Work Plans for RFI/CMS or RI/FS Studies	12/31/04 (M-13-00O)	2	M-13-26(C) M-13-00L(C) M-13-00M(C) M-13-00N M-13-00O	12/31/01 12/31/01 12/31/02 12/31/03 12/31/04		
M-15-00 Site Investigations / Feasibility Studies	12/31/08 (M-15-00)	12	M-15-41B(C) M-15-38A M-15-40B M-15-47 M-15-39A M-15-41C M-15-39B M-15-43B	10/30/02 03/31/03 05/31/03 06/30/03 09/30/03 03/31/04 05/31/04 06/30/04	M-15-40C M-15-39C M-15-43C M-15-00C M-15-00	10/31/04 11/30/05 12/31/05 12/31/08 12/31/08
M-16-00 Remedial Design / Remedial Action	9/30/24 (M-16-00)	2	M-16-27B(C) M-16-28A M-16-27C M-16-00	12/31/01 01/15/03 6/30/03 * 09/30/24		
M-20-00 Submit Closure Plans for All RCRA TSD Units	12/31/08 (M-20-00B) (Shared with FH)	4	M-20-39 M-20-33 M-20-54 M-20-00B	11/30/05 12/31/05 12/31/08 12/31/08		
M-24-00 RCRA Groundwater Monitoring	Annually	4	M-24-53(C) M-24-54(C) M-24-55(C) M-24-00M(C) M-24-00N(C) M-24-00O M-24-00P M-24-00Q M-24-00R	12/31/01 12/31/01 12/31/01 12/31/01 12/31/02 12/31/03 12/31/04 12/31/05 12/31/06		
TOTAL ACTIVE MILESTONES		24			10 MILESTONES COMPLETED IN FY02 (C)	

* Includes TPA changes requests approved thru December 31, 2002.

TPA MILESTONES SUMMARY SCHEDULE -- CENTRAL PLATEAU

OPERABLE UNIT	Fiscal 2002		Fiscal 2003		Fiscal 2004		Fiscal 2005		Fiscal 2006		Fiscal 2007		Fiscal 2008		Fiscal 2009		Fiscal 2010		Fiscal 2011		Fiscal 2012		Fiscal 2013				
	BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR		BY QTR				
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd
GROUND-WATER	<p>M-24-51 thru 55 -- M-24-51 (9/5/01A), M-24-52 (9/29/01A), M-24-54 (10/18/01A), M-24-53-55 (11/08/01A) Install 11 Monitoring Wells at SST WMA D-BX-BY, U, S-SX, T, TX-TY</p> <p>M-24-56(12/18/02A) Install 5 Monitoring Wells at SST WMA TX-TY</p> <p>M-24-000 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2003 (if required)</p> <p>M-24-00Q Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2005 (if required)</p> <p>M-24-00M 11(08/01A) Install RCRA Groundwater Monitoring Wells at Rate from 0 to 50 in CY 2001 (if required)</p> <p>M-24-00N(12/18/02A) Install RCRA Groundwater Monitoring wells at rate of up to 50 in CY2002 (if required)</p> <p>M-24-00P Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2004 (if required)</p> <p>M-24-00R Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2006 (if required)</p>																										
	<p>COMMON</p> <p>M-16-27B 11/29/01A Complete 100-HR-3 Phase II, ISRM Barrier Emplacement</p> <p>M-16-27C Complete 100-HR-3 Phase III, ISRM Barrier Emplacement</p> <p>M-16-28A Connection Well 199-K-126 to the 100-KR-4 Pump & Treat Extraction System</p> <p>06/30/03(F)</p>																										
100-HR-3																											

TPA MILESTONE
 TPA MAJOR MILESTONE
 TARGET MILESTONE
 FORECAST
 UNRECOVERABLE
 "AT RISK"
 (P) PENDING CHANGE REQUEST
 RCRA PERMIT COMMITMENT

CENTRAL PLATEAU PROJECT ACCOMPLISHMENTS

200 Area Remediation

Two Tri-Party Agreement (TPA) Milestones were met (M-15-41B and M-13-00M) in November and December with the delivery of regulator review drafts of the Tank Waste Operable Units (200-TW-1 and 200-TW-2) Remedial Investigation Report and the Tanks/Lines/Pits/Boxes/Septic Tanks/Drain Fields Operable Units (200-ST-1 and 200-IS-1) RI/FS Work Plan.

In October and November, a set of shallow temporary vapor monitoring probes were installed and sampled for carbon tetrachloride in Low Level Burial Ground 218-W-4C for the 200-PW-1 Operable Unit. This sampling confirmed results from an investigation that was performed during the summer that discovered carbon tetrachloride vapor in low concentrations in the soil adjacent to a section of a burial trench that has elevated vapor concentrations.

Also during November, three waste site field investigations were completed with the collection of samples from eight test pit locations. The waste sites are contained within the Chemical Sewers Operable Unit (200-CS-1). The field data collected appears to confirm the contaminant distribution model that was proposed for these sites, which predicted that remaining contamination would be found immediately beneath the bottom of each waste site and not deeper in the vadose zone.

Several other TPA documents, including Remedial Investigation Reports, Feasibility Studies, Closure Plans, Proposed Plans, and Proposed Permit Modifications, are in various stages of review/completion.

Groundwater Remediation

Regulator comments have been received on two draft sampling and analysis plans that outline the proposed FY03 groundwater monitoring network for the 200-UP-1 and 200-PW-1 operable units. The draft plans are being revised and will be submitted for regulator approval in the next quarter.

The three 100 Area pump and treat systems (100-KR-4, 100-NR-2 and 100-HR-3), and the the two Central Plateau groundwater pump and treat systems (200-UP-1, 200-ZP-1) continued to operate throughout the second quarter.

The fail shutdown of the 200-PW-1 active soil vapor extraction system was successfully completed in September.

Two CERCLA wells and two CY 2002 RCRA wells were completed and accepted. These wells will be used for groundwater monitoring.

The connection of well 199-K-126 to the 100-KR-4 pump and treat system was initiated during the quarter (and completed in January 2003). This work was done to meet interim milestone M-16-28A.

Groundwater/Vadose Zone Integration

Presented GPP plans and strategies, including the Hanford Groundwater Protection Management Plan: Accelerated Cleanup/Protection, at the HAB meeting held in December. Comments from senior RL management regarding the public information program are being addressed and will be formally submitted to DOE in January 2003. No comments were received from the HAB. A companion document, the Hanford Groundwater Strategy (prepared by the C3T group) has received number comments. A public workshop is in the planning stage.

The transition of analytical work to the on-site laboratories commenced in November with the delivery of two RCRA/CERCLA groundwater well drilling waste designation samples to the WSCF laboratory.

The analysis of future impacts resulting from uranium and technetium remaining in all waste sites was completed in December in support of the Solid Waste EIS. This work was performed with the SAC and funded by the Solid Waste EIS project.

233-S Plutonium Concentration Facility

The steel and grating remaining at the time of transition has been removed, and the project is progressing as planned and on schedule. Additional detail on the 233-S PCF will be addressed in this accomplishments section during the next quarterly review.

Surveillance and Maintenance

New metal roof installations on the B-Plant and PUREX buildings were completed two weeks ahead of schedule. Characterization work to bound the radionuclide inventory at 224-T and 231-Z has been completed, and planned work is continuing on schedule. Additional detail on the S&M activities will be addressed in this accomplishments section during the next quarterly review.

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
January 28, 2003**

**M. F. Jarvis
DOE Regulatory Compliance and Analysis
Division**

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 28, 2003**

- Tri-Party Agreement requires that a Hanford Site Land Disposal Restrictions (LDR) Report be submitted annually
- LDR Report is designated as a primary document in accordance with the Tri-Party Agreement

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 28, 2003

- Workshops continue to address/resolve issues/actions identified in the March 14, 2002, Resolution Agreement; seven items were identified – four are complete, two are in process and one remains to be discussed (no change in status).
 - Treatability Group Data Sheet (TGDS) and Location-Specific Data Sheet (LSDS) Modifications (complete)
 - Consolidation of requirements documents and any other new agreements from workshops (not yet initiated)
 - Tracking commitments contained in the LDR Report (complete)
 - Accomplishing within year changes (complete)
 - Accomplish year-to-year changes (ongoing)
 - Revisit Assessment Schedule (ongoing)
 - Mechanism to transmit documents (e.g., Datagap Plan) (complete)

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
January 28, 2003**

Actions Planned for Next Six Months

- Continue Resolution Agreement Workshops focusing on requirements consolidation, year-to-year changes to the LDR Report, and assessment schedules
- Complete Project Manager Meeting commitments/actions
- Continue Project Manager Meetings
- Submit the Calendar Year LDR Report to Ecology for review and approval (April 30, 2003).

M-91-00

WASTE MANAGEMENT DIVISION

Todd Shrader

January 2003

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	January 2003
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MILESTONE SCHEDULE

WBS (PBS)	TPA DUE DATE	FISCAL YEAR 2002												Status
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.2.2 (RL-CP02) Solid Waste Treatment	12/31/00	(M-91-01) – Due date to be established. Complete the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, and treatment/processing prior to disposal of all Hanford Site post 1970 TRU/TRUM.												In dispute resolution.
	6/30/00	(M-91-03) – Submit Hanford Site TRU/TRUM Waste Project Management Plan (PMP) to Ecology Pursuant to Agreement Section 11.5.												In dispute resolution.
	9/30/02	(M-91-19-T01) Complete physical activities at T Plant necessary to store floor and pit sludge.												Complete
MILESTONE TYPES:		 M TPA MILESTONE  I TPA INTERIM	 DOE-HQ  DOE-RL	 FORECAST  Treatment Rate										

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	January 2003
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MILESTONE SCHEDULE

WBS (PBS)	TPA DUE DATE	FISCAL YEAR 2003												Status	
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1.2.2 (RL-CP02) Solid Waste Treatment	12/31/02			⬡										(M-91-05-T01) Complete and Submit TRU/TRUM Retrieval and Processing Facility Engineering Study/Functional Design Criteria Study to Ecology.	Missed/Abeyance/In Dispute
	12/31/02				⬡									(M-91-12A) Complete thermal treatment and disposal of 240 m ³ of contact handled LLMW.	Changed to 13/31/04
	12/31/02				⬡									(M-91-20) T Plant is ready to receive the first canister of K Basins floor and pit sludge.	Missed
	9/30/03												⬡	(M-91-06-T01) Award necessary privatized contracts for processing remote handled (RH) and large size TRU/TRUM.	On Schedule
MILESTONE TYPES:		⬡ ^M TPA MILESTONE	⬡ ^I TPA INTERIM	⊖ DOE-HQ	⊕ DOE-RL	◇ FORECAST	△ Treatment Rate								

**TPA MILESTONE
REVIEW**

WASTE MANAGEMENT PROJECT

January 2003

MILESTONE SCHEDULE

WBS (PBS)	TPA DUE DATE	FISCAL YEAR 2004												Status	
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1.2.2 (RL-CP02) Solid Waste Treatment	10/31/03	○												(M-91-14-T01) Award commercialization for treatment of RH and large size LLMW per Approved LLMW/GTC3 PMP and Associated Agreement Change Requests	On Schedule
	11/29/03		○											(M-91-21-T01) Complete Physical Activities at T Plant Necessary to Store Canister and Fuel Wash Sludge.	On Schedule
	2/29/04					○								(M-91-22) T Plant is Ready to Receive Canister and Fuel Wash Sludge from K Basins.	On Schedule
	9/31/04												○	(M-91-07) Complete Project W-113 for Post 1970 CH TRU/TRUM Retrieval.	In Jeopardy
MILESTONE TYPES:		○ ^M TPA MILESTONE	○ ^I TPA INTERIM	▽	△	◇	△								

**TPA MILESTONE
REVIEW**

WASTE MANAGEMENT PROJECT

January 2003

MILESTONE SCHEDULE

WBS (PBS)	TPA DUE DATE	FISCAL YEAR 2010												Status		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
3.3.2.5 (RL-CP02) WBS	12/31/09														(M-92-01) Complete Facilities Necessary for Sitewide Consolidation and Storage {of Cs/Sr}.	On Schedule
	6/30/03														Inclusion of Hanford site Cs/Sr treatment and/or repackaging parameters in DOE TWRS phase II request for proposals (Treatment and/or repackaging of al remaining Cs/SR) [Included per Ecology Comment]	In jeopardy, DOE ORP milestone (Ecology Position)
MILESTONE TYPES:		 M	TPA MILESTONE	 V	DOE-HQ		FORECAST	 I	TPA INTERIM	 RL	DOE-RL		Treatment Rate			

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	January 2003
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MILESTONE EXCEPTION REPORT

TPA MILESTONE	MILESTONES IN DISPUTE
M-91-01	<p>Commitment to establish a date for: "Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, and treatment/processing prior to disposal of all Hanford Site post-1970 TRU/TRUM."</p> <p>In dispute – currently subject of M-91 negotiation discussions.</p>
M-91-03	<p>Submit TRU/TRUM PMP.</p> <p>In dispute – currently subject of M-91 negotiation discussions.</p>

<p align="center">TPA MILESTONE REVIEW</p>	<p align="center">WASTE MANAGEMENT PROJECT</p>	<p align="center">January 2003</p>
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MILESTONE EXCEPTION REPORT

<p align="center">TPA MILESTONE</p>	<p align="center">FUTURE MILESTONES IN JEOPARDY AND MISSED MILESTONES</p>
<p>M-91-07</p>	<p>“Complete Project W-113 for Post 1970 CH TRU/TRUM retrieval” by September 2004.</p> <p>It is DOE’s position that this milestone most likely cannot be met due to previous year’s funding constraints and site priorities, and the maximum retrieval rate. This milestone has been discussed in the context of the M-91 dispute. However, this milestone is not formally part of that dispute and is still enforceable.</p> <p>Ecology has maintained the position that funding constraints and site priorities are not acceptable causes for modification of TPA Milestones.</p>
<p>M-91-05-T01</p>	<p>“Complete and Submit TRU/TRUM Retrieval and Processing Facility Engineering Study/Functional Design Criteria Study Criteria” by December 31, 2002.</p> <p>This target was missed. It is DOE’s position that the facility is not required until 2013 and that therefore, these studies are not required until 2006 at the earliest. This target has been discussed in the context of the M-91 dispute.</p>
<p>M-91-20</p>	<p>“T-Plant is ready to receive the first canister of floor and pit sludge” by December 31, 2002 Readiness was not declared by December 31, 2002.</p>

**TPA MILESTONE
REVIEW**

WASTE MANAGEMENT PROJECT

January 2003

M-91 ACCOMPLISHMENTS

**WBS
1.2**

M-91

MLLW and TRU Waste Facilities

(M-91-07) Plan of Action for covered drum retrieval approved by RL.

(M-91-12A) Approximately 30 m³ thermally treated total, none this quarter. An additional 115 m³ of Hanford's thermally treatable waste remains at ATG in anticipation of restart of their GASVIT® system. Additional MLLW thermal treatment capability will be procured by February 2003 through the use of a technology demonstration of the Perma-Fix Thermal Desorption process. Up to 15 m³ of Hanford's stored thermally treatable MLLW is scoped to be processed by this demonstration.

(M-91-20) FHI has submitted the sludge storage safety basis to RL for review and approval. Approval is anticipated by the end of January.

<p align="center">TPA MILESTONE REVIEW</p>	<p align="center">WASTE MANAGEMENT PROJECT</p>	<p align="center">January 2003</p>
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PLANNED ACTIONS

<p align="center">TPA MILESTONE SUPPORTED</p>	<p align="center">DESCRIPTION</p>	<p align="center">TPA COMPLETION DATE</p>
<p align="center">M-91-05-T01</p>	<p>It is DOE's position that the Engineering Study/Functional Design Criteria is not needed until 2006 and therefore, is not being pursued at this time.</p>	<p align="center">12/31/02</p>
<p align="center">M-91-06-T01</p>	<p>Highly unlikely any privatized opportunities will be available. Privatized contracts are not being pursued at the present time.</p>	<p align="center">9/30/2003</p>
<p align="center">M-91-07</p>	<p>Retrieval expected to begin in summer of 2003. Retrieval rate not anticipated to be fast enough to meet this milestone. Ecology is concerned that DOE is not taking any actions to increase retrieval rate to meet the milestone.</p>	<p align="center">9/30/2004</p>

**TPA MILESTONE
REVIEW**

WASTE MANAGEMENT PROJECT

January 2003

PLANNED ACTIONS (continued)

TPA MILESTONE SUPPORTED	DESCRIPTION	TPA COMPLETION DATE
M-91-12/ M-91-12A	Evaluate alternate treatment strategies through the Broad-Spectrum contract. Evaluating Perma-Fix through a demonstration test.	12/31/2005 12/31/2004
M-91-14-T01	Contracts have been awarded and large item LLMW has been treated (condenser). RH contracts not available at this time. Alternatives being explored.	10/31/2003
M-19-20	Safety assessment for sludge anticipated to be approved by RL by the end of January, 2003. Readiness Assessment scheduled for March 6, 2003, followed by readiness to receive sludge by March 31, 2003.	12/31/2002

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	January 2003
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PLANNED ACTIONS (continued)

TPA MILESTONE SUPPORTED	DESCRIPTION	TPA COMPLETION DATE
M-91-21-T01	Design studies underway.	11/29/2003
M-19-22	Readiness activities depend on equipment design, storage configuration, and safety analysis.	2/29/2004

<p align="center">TPA MILESTONE REVIEW</p>	<p align="center">WASTE MANAGEMENT PROJECT</p>	<p align="center">January 2003</p>
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M-91 ISSUES

<p align="center">TPA MILESTONE</p>	<p align="center">DATE IDENT</p>	<p align="center">ISSUE</p>	<p align="center">IMPACT</p>	<p align="center">STATUS</p>
<p align="center">M-91-06-T01</p>	<p align="center">10/02</p>	<p>RH TRU WIPP WAC not anticipated before 2005. No privatized contractor available.</p>	<p>No impact anticipated as M-91 facility to be designed to process all RH TRU waste.</p>	<p align="center">On Schedule</p>
<p align="center">M-91-07</p>	<p align="center">10/01</p>	<p>Containers determined to not be TRU remain disposed without further characterization. (DOE Position) All containers subject to RCRA/HWMA designation requirements (Ecology Position). Ecology open to discuss reasonable means of achieving.</p>	<p>Significant cost and schedule impact depending on final agreement.</p>	<p>Issue being discussed in the M-91 negotiations.</p>

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	January 2003
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M-91 ISSUES

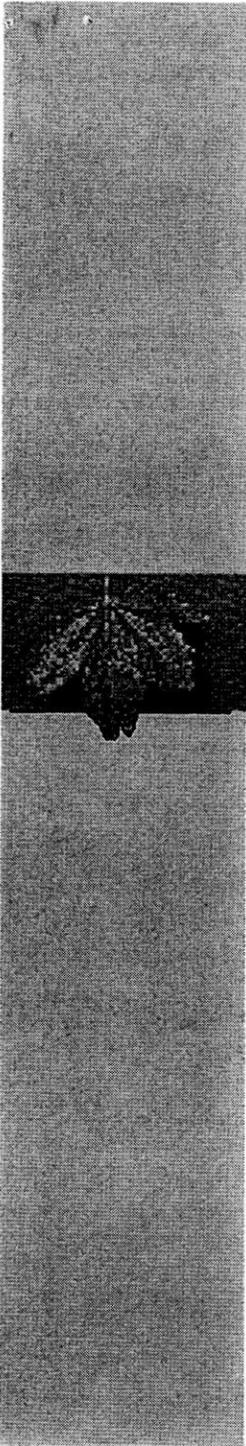
TPA MILESTONE	DATE IDENT	ISSUE	IMPACT	STATUS
M-91-07	10/01	Definition of retrieved drums requires clarification. (DOE Position)	Number of drums/containers removed from the burial ground could vary.	Anticipated to be resolved during M-91 negotiations.
M-91-07	10/01	Application of LDR to TRU requires clarification. (DOE Position)	RL considers LDR to not be applicable to TRU during retrieval, storage, or processing operations. Ecology's position is that LDR is applicable to TRU waste that is not designated by the Secretary of Energy to go to WIPP. In addition, for those designated wastes, LDR record keeping and characterization requirements are applicable.	RL and Ecology have discussed positions.

**TPA MILESTONE
REVIEW**

WASTE MANAGEMENT PROJECT

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- **Cost Variance and Schedule Variance Data not provided due to continuing resolution. Current data not applicable.**



M-20 Milestone Status Permits and Closure Plans

Presented by:

Ellen M. Mattlin
U.S. Department of Energy

January 28, 2003

Part B Permit Application Milestone Status

M-20-56 6/30/2003

Submit Canister Storage Facility Part B dangerous waste permit application to Ecology

M-20-57 6/30/2003

Submit Immobilized Low Activity Waste (ILAW) Disposal Facility certified Part B permit application to Ecology

Current Milestone Status:

On schedule.

Closure Plan Milestone Status

M-20-29A

Public Comment

Submit Sodium Storage Facility and Sodium Reaction Facility Closure Plan or request for procedural closure as defined in Section 6.3.3 of this Tri-Party Agreement to EPA and Ecology.

Current Milestone Status:

A revised M-20-29A milestone was proposed (replaced by M-20-29B) in the M-81 Change Request, which is currently in Public Comment.

Closure Plan Milestone Status (cont.)

M-20-33

12/31/2005

Submit 216-A-10 Crib, 216-A-36B Crib, 216-A-37-1 Crib, and 207-A South Retention Basin Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-PW-2 Uranium-Rich Process Waste Group Operable Unit (to be coordinated under M-15-43C)

M-20-39

11/30/2005

Submit 216-S-10 Pond and Ditch Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-CS-1 Chemical Sewer Group Operable Unit (to be coordinated under M-15-39C)

M-20-54

12/31/2008

Submit 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank, 241-CX Storage Tank Closure/Postclosure Plan to Ecology in coordination with the 200-IS-1 Tanks/Lines/Pits/ Boxes Operable Unit Work Plan Feasibility Study scheduled under M-13-00M.

Current Milestone Status:

Program planning.

Hanford Facility RCRA Permit Status

- The Hanford Facility RCRA Permit expires on 9/27/04. The Permittees are preparing to reapply for the Permit and are discussing scope, content, and format issues with Ecology through the RCRA Permit Board. The reapplication is due to Ecology 3/31/04.
- Issuance of Modification E (Central Waste Complex and Waste Receiving and Processing Facility) is waiting a decision on offsite shipments. Outstanding WAP issues with WRAP and CWC would also be addressed before issuing the Permit.
- Ecology proposed Modification F to the Hanford Facility RCRA Permit, which incorporates the 222-S Laboratory Complex. The Permittees provided comments to Ecology on Modification F. Ecology is reviewing agreements reached under Modification E in the context of permitting under Modification F.

Accomplishments – last 3 months

- DOE submitted the SST System Closure plan to Ecology on 12/18/02 to meet the TPA milestone submission date of 12/19/02.
- DOE submitted Class 1 modification to Ecology for quarter ending 12/31/02.
- Ecology completed review of T Plant Complex Part B permit application for completeness.
- Ecology issued NODs for the Low-Level Burial Grounds (LLBG) Part B permit application working draft.
- Ecology approved Class 1 modifications from quarter ending 9/30/02.
- Ecology approved a Class 2 modification to add floor space and capacity to the 325 Hazardous Waste Treatment Units (HWTUs) on 11/21/02.
- Ecology rejected the Class 2 modification to the groundwater monitoring program for the 300 Area Process Trenches on 11/19/02. Ecology published a Responsiveness Summary to public comments received on the proposed groundwater monitoring plan.

Planned Actions – next 6 months

- DOE submit to Ecology the annual Dangerous Waste Report by 3/1/03.
- DOE submit to Ecology annual Noncompliance Report by 3/1/03.
- DOE complete semi-annual site-wide inspection (banks of Columbia River) by 4/28/03.
- DOE respond to NOD's for the LLBG Part B permit application working draft, per TPA Figure 9-2. Ecology/DOE formally extend NOD schedule.
- DOE submit Immobilized High-Level Waste Storage Unit (IHLW) Part B permit application by 6/30/03.
- DOE submit Immobilized Low-Activity Waste Disposal Facility (ILAW) Part B permit application by 6/30/03.
- Permittees submit groundwater monitoring data for the 300 Area Process Trenches. Permittees may submit a Class 2 modification request.
- Ecology will republish the RCRA Permit to reflect the corrective action language and any approved Class 1/2/3 permit modifications.
- Ecology develop draft permit for T Plant Complex
- Ecology will provide LLBG NODs for Chapter 3 (Waste Analysis) and Chapter 8 (Training).
- EPA will issue Revision 1 to the HSWA portion of the Permit.